

SEARCH REQUEST FORM**Scientific and Technical Information Center**

Requester's Full Name: Rusers, Scott Examiner #: 66841 Date: 11/24/03
 Art Unit: 2624 Phone Number 30 Serial Number: 098518741
 Mail Box and Bldg/Room Location: DICL 4DL12 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

US 5790272

STAFF USE ONLY		Type of Search	Vendors and cost where applicable
Searcher:	<u>KET</u>	NA Sequence (#)	STN _____ Dialog _____
Searcher Phone #:	_____	AA Sequence (#)	Questel/Orbit _____
Searcher Location:	_____	Structure (#)	Dr.Link _____ Lexis/Nexis _____
Date Searcher Picked Up:	<u>11/24/03</u>	Bibliographic	Sequence Systems _____
Date Completed:	<u>11/24/03</u>	Litigation	WWW/Internet _____
Searcher Prep & Review Time:	_____	Fulltext	Patent Family _____
Clerical Prep Time:	_____	Other	Other (specify) _____
Online Time:	<u>20</u>		

Query/Command : prt max legalall

111 PLUSPAT - ©QUESTEL-ORBIT - image

PN - US5790272 A 19980804 [US5790272]
TI - (A) Multi-tone image processing method and apparatus
PA - (A) MINOLTA CO LTD (JP)
IN - (A) GOTO HIROSHI (JP); DEISHI SATOSHI (JP)
AP - US32392494 19941017 [1994US-0323924]
PR - JP25969193 19931018 [1993JP-0259691]
IC - (A) H04N-001/405
EC - H04N-001/40F
PCL - ORIGINAL (O) : 358003240
DT - Basic
CT - US4342051; US4517606; US4967211; US5041920; US5099259; US5258780; US5270827
STG - (A) United States patent
AB - A multi-tone image processing method and apparatus in which mutually dissimilar tone levels are realized by changing the additive condition of recording energy by means of different recording positions, even when the number of recording operations within a specific range is identical. For example, in an electrophotographic apparatus, when the number of irradiation by a light spot within a specific range remains constant as the irradiation position is changed in the specific range, there is a change in the additive condition of the optical energy within said specific range. Thus, the area rendered visible within the aforesaid specific range also changes, thereby changing the tone level.

111 LGST - ©LEGSTAT

PN - US 5790272 [US5790272]
AP - US 323924/94 19941017 [1994US-0323924]
DT - US-P
ACT - 19941017 US/AE-A
APPLICATION DATA (PATENT)
US 323924/94 19941017 [1994US-0323924]

19941017 US/AS02

ASSIGNMENT OF ASSIGNOR'S INTEREST

MINOLTA CO., LTD. OSAKA KOKUSAI BLDG. 3-13 2-CHOME, AZUCHI-MACHI, CHUO-KU
OSAKA- * GOTO, HIROSHI : 19941006; DEISHI, SATOSHI : 19941006

19980804 US/A

PATENT

19990601 US/RF

REISSUE APPLICATION FILED

19990409

UP - 2000-03

111 CRXX - ©CLAIMS/RRX

PN - 5,790,272 A 19980804 [US5790272]

PA - Minolta Co Ltd JP
ACT - 19990409 REISSUE REQUESTED
Issue Date of O.G.: 19990601
Reissue Request Number: 09/288966
Examination Group responsible for Reissue process: 2722

1 / 1 PAST - ©Thomson Derwent

AN - 199922-001472
PN - 5790272 A [US5790272]
OG - 1999-06-01
ACT - REISSUE APPLICATION FILED

<=1> GET 1st DRAWING SHEET OF 22

August 4, 1998

Multi-tone image processing method and apparatus

REISSUE: Reissue Application filed Apr. 9, 1999 (O.G. Jun. 1, 1999) Ex. Gp.:
2722; Re. S.N. 09/288,966, (O.G. June 1, 1999)

APPL-NO: 323924 (08)

FILED-DATE: October 17, 1994

GRANTED-DATE: August 4, 1998

CORE TERMS: exposure, cell, recording, optical, energy, tone, laser, picture,
counter, photosensitive ...

ENGLISH-ABST:

A multi-tone image processing method and apparatus in which mutually dissimilar tone levels are realized by changing the additive condition of recording energy by means of different recording positions, even when the number of recording operations within a specific range is identical. For example, in an electrophotographic apparatus, when the number of irradiation by a light spot within a specific range remains constant as the irradiation position is changed in the specific range, there is a change in the additive condition of the optical energy within said specific range. Thus, the area rendered visible within the aforesaid specific range also changes, thereby changing the tone level.

5,790,272 OR 5790272

LEXIS-NEXIS
Library: PATENT
File: CASES

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

5,790,272 OR 5790272

LEXIS-NEXIS
Library: PATENT
File: JNLS

Your search request has found no ITEMS.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

5,790,272 OR 5790272

LEXIS-NEXIS
Library: NEWS
File: CURNWS

Your search request has found no STORIES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

* ?s pri=us 5790272
* S3 1 PN=US 5790272
?t 3/39/1

3/39/1
DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat
(c) 2003 EPO. All rts. reserv.

12400098

Basic Patent (No,Kind,Date): JP 7115538 A2 19950502 <No. of Patents: 002>

Patent Family:

Patent No	Kind	Date	Applie No	Kind	Date
JP 7115538	A2	19950502	JP 93259691	A	19931018 (BASIC)
US 5790272	A	19980804	US 323924	A	19941017

Priority Data (No,Kind,Date):

JP 93259691 A 19931018

PATENT FAMILY:

JAPAN (JP)

Patent (No,Kind,Date): JP 7115538 A2 19950502

METHOD AND DEVICE FOR RECORDING GRADATION (English)

Patent Assignee: MINOLTA CO LTD

Author (Inventor): GOTO HIROSHI; IZUSHI SATOSHI

Priority (No,Kind,Date): JP 93259691 A 19931018

Applie (No,Kind,Date): JP 93259691 A 19931018

IPC: * H04N-001/405

Derwent WPI Acc No: * G 95-197843; G 95-197843

Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5790272 A 19980804

MULTI-TONE IMAGE PROCESSING METHOD AND APPARATUS (English)

Patent Assignee: MINOLTA CO LTD (JP)

Author (Inventor): GOTO HIROSHI (JP); DEISHI SATOSHI (JP)

Priority (No,Kind,Date): JP 93259691 A 19931018

Applie (No,Kind,Date): US 323924 A 19941017

National Class: * 358460000; 358298000; 358456000; 358458000;
358459000

IPC: * H04N-001/405

Derwent WPI Acc No: * G 95-197843

Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 5790272	P	19931018	US AA	PRIORITY (PATENT)
			JP 93259691	A 19931018
US 5790272	P	19941017	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 323924	A 19941017
US 5790272	P	19941017	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST
			MINOLTA CO., LTD. OSAKA KOKUSAI BLDG. 3-13 2-CHOME, AZUCHI-MACHI, CHUO-KU OSAKA- ; GOTO, HIROSHI : 19941006; DEISHI, SATOSHI : 19941006	
US 5790272	P	19980804	US A	PATENT
US 5790272	P	19990601	US RF	REISSUE APPLICATION FILED (REISSUE APPL. FILED) 19990409